



Akademia Górniczo-Hutnicza im. Stanisława Staszica w Krakowie

AGH University of Krakow

Beamer theme AGH Sample presentation

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²Second affiliation



Information



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Outline



Basic elements

Outline



Basic elements

2 Mathematics

Outline



- Basic elements
- 2 Mathematics
- 3 Computer Science



- Item 1
- Item 2
- Item 3



- Item 1
- Item 2
- Item 3

Uncovering one by one

• Item 1



- Item 1
- Item 2
- Item 3

Uncovering one by one

- Item 1
- Item 2



- Item 1
- Item 2
- Item 3

Uncovering one by one

- Item 1
- Item 2
- Item 3



- ① Item 1
- ② Item 2
- Item 3

- ① Item 1
- 2 Item 2
- Item 3

Uncovering elements in turn with simultaneous highlighting

1 Item 1

Enumerate



- ① Item 1
- 2 Item 2
- Item 3

Uncovering elements in turn with simultaneous highlighting

- ① Item 1
- 2 Item 2

Enumerate



- ① Item 1
- 2 Item 2
- Item 3

Uncovering elements in turn with simultaneous highlighting

- ① Item 1
- ② Item 2
- Item 3

Basic blocks



Definition

A set consists of elements.

Example

The set $\{1, 2, 3, 5\}$ has four elements.

Wrong Theorem

1 = 2.

Math environments



Theorems

Theorem (Pythagorean)

$$a^2 + b^2 = c^2$$

. . .

Proofs

Proof.

. . .



. . .

Dynamic mathematical formula



$$\binom{n}{k} =$$

Dynamic mathematical formula



$$\binom{n}{k} = \frac{n!}{k!(n-k)!}$$

Drawing on the slide



Every fraction consists of:

$$a = \frac{x + y}{y - z}$$

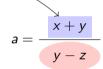
Drawing on the slide



AGH

Every fraction consists of:

Numerator



Drawing on the slide



Every fraction consists of:

Numerator



Denominator







```
1 /* The first program in C++ */
2 #include <iostream>
```



```
/* The first program in C++ */
2 #include <iostream>
3 using namespace std;
```



```
1 /* The first program in C++ */
2 #include <iostream>
3 using namespace std;
4 void main()
5 {
```



```
1 /* The first program in C++ */
2 #include <iostream>
3 using namespace std;
4 void main()
5 {
6 cout
7 }
```



```
1 /* The first program in C++ */
2 #include <iostream>
3 using namespace std;
4 void main()
5 {
6 cout << "Hello World!"
7 }</pre>
```

```
1 /* The first program in C++ */
2 #include <iostream>
3 using namespace std;
4 void main()
5 {
    cout << "Hello World!" << endl;
7 }</pre>
```

Examples

Using the 'listings' environment

Using the 'minted' environment



/* The first program in C++ */



1

```
/* The first program in C++ */
#include <iostream>
```

Using the 'minted' environment

1

2

3

```
/* The first program in C++ */
#include <iostream>
using namespace std;
```

```
∭∭
AGH
```

```
/* The first program in C++ */
#include <iostream>
using namespace std;
void main()
{
```

1

6

7

```
/* The first program in C++ */
#include <iostream>
using namespace std;
void main()
{
   cout
}
```

```
N
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```

1

6 7

```
/* The first program in C++ */
#include <iostream>
using namespace std;
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```
∭∭
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```

```
/* The first program in C++ */
#include <iostream>
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void main()
{
   cout << "Hello World!" << endl;
}</pre>
```



Appendix



Appendix

Information



The current version of the template is available at https: //github.com/polaksta/LaTeX/tree/master/beamerthemeAGH¹

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¹In the case of Overleaf, it is at https://www.overleaf.com/read/fkjdthnbrfhj#9c6184

Bibliography I



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LATEX: a document preparation system: user's guide and reference manual
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Appendix



- Author
 Title of the article
 Editor, year
 Notes
- [6] Author
 Title of the article
 Editor, year
 Notes

Appendix



[Polak98] Author Title of the article Editor, year Notes